

Electronic Filing System (EFS) Data

Electronic Patent Application Submission

USPTO Use Only

EFS ID: 19474

Application ID: 10065609

Title of Invention: FLUID INJECTION HEAD
STRUCTURE AND METHOD FOR
MANUFACTURING THE SAME

First Named Inventor: Tsung-Wei Huang

Domestic/Foreign Application: Domestic Application

Filing Date: null

Effective Receipt Date: 2002-11-03

Submission Type: Utility Patent Filing

Filing Type: new-utility

Confirmation Number: 0

Attorney Docket Number: ACMP0021USA

Digital Certificate Holder: cn=Winston Hsu, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US

Certificate Message Digest: Sc23Xq1N/gUGya9VdcCgww==

Total Fees Authorized: \$870.0

Payment Category: DA - Deposit Account

Deposit Account Number: 500801

Deposit Account Name: WINSTON HSU



TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility
Patent Filing

Attorney Docket
Number:

ACMP0021USA

FLUID INJECTION HEAD STRUCTURE AND METHOD FOR MANUFACTURING THE SAME

First Named Inventor: Tsung-Wei Huang

SUBMITTED BY

Name:	Mr. Winston Hsu
Registration Number:	41,526
Electronic Signature Mark: Winston Hsu	Date Signed: 20021104
Name:	Mr. Mord Michael Lewis
Registration Number:	50,478
Electronic Signature Mark: Mord Michael Lewis	Date Signed: 20021104

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	ACMP0021DEC1.TIF
declaration	ACMP0021DEC2.TIF
declaration	ACMP0021DEC3.TIF
small-entity	ACMP0021DEC4.tif
specification	ACMP0021.xml
bibd-transmittal	ACMP0021apds.xml
patent-assignments	ACMP0021asgn.xml
fee-transmittal	ACMP0021fee.xml

Attached Image File(s):

ACMP0021DEC1.TIF
ACMP0021DEC2.TIF
ACMP0021DEC3.TIF
ACMP0021DEC4.tif

Comments:

Please type in plus sign (+) inside this box ☐

PTO/SB/1 (02-01)
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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	
Filing Date	
First Named Inventor	Samuel Hwang
Title	Fluid Injection Head Structure and
Group Art Unit	with a for manufacturing the same
Examiner Name	
Attorney Docket Number	ACMP0021USA

I hereby appoint:

☒ Practitioners at Customer Number

027765

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I am the

☐ Applicant/Inventor

☐ Assignee of record of the entire interest. See 37 CFR 3.71
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

Signature

Date

Joseph Hwang, Executive Vice President

Samuel Hwang

OCT 11, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple
forms if more than one signature is required, see below.

☐ Total of _____ forms are submitted.

Buyer/Inventor/Assignee: This form is estimated to take 2 minutes to complete. Time will vary depending upon the needs of the individual user. Any comments on
the form or its use, you are requested to contact the form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC
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PTOL/SON (28-00)
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Tsung-Wai Huang; Chih-Ching Chen
Application No./Patent No.: _____ Filed/Issue Date: _____
Entitled: Fluid Injection Head Structure And Method For Manufacturing the Same
BENGL Corporation "_____" Corporation
(Name of Assignee) (Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)

states that it is

1 ☒ the assignee of the entire right, title, and interest; or

2 ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2 From _____ To: _____
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3 From _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.
(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08.)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee

Date: Oct 11, 2002 Signature: Joseph Hung
Typed or printed name: Joseph Hung
Signature: [Signature]
Title: Executive Vice President

Number Hour "Estimated" This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/61 (10-01)
Approved for use through 10/31/2002. OMB 0031-0037
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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number ACMP0621USA
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.18 (a)) required)		First Named Inventor Tsung-Wai Huang
COMPLETE IF KNOWN		
Application Number		
Filing Date		
Art Unit		
Examiner Name		

As the below named inventor, I hereby declare that:
My residence, mailing address, and citizenship are as stated below next to my name.
I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FLUID INJECTION HEAD STRUCTURE AND METHOD FOR MANUFACTURING THE SAME

(Title of the invention)

the specification of which:

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [] as United States Application Number or PCT International Application Number [] and was amended on (MM/DD/YYYY) [] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 350(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			YES	NO
090127720	Taiwan, R.O.C.	11/08 (2001)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/028 attached hereto.

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Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/01 (10-01)
Approved for use through 10/1/2002. OMB 0501-0032
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DECLARATION — Utility or Design Patent Application			
Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number or Bar Code Label 27785 OR <input type="checkbox"/> Correspondence address below			
Name			
Address			
City		State	ZIP
Country	Telephone	Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Tsung-Wei (first and middle if any)		Family Name Huang	
Inventor's Signature <i>Tsung-Wei Huang</i>		Date 2007/10/19	
Taipei City	State	Taiwan, R.O.C.	R.O.C.
Residence City	State	Country	Citizenship
Mailing Address 5F, No 22, Ta-Pei Rd., Shih-Lin,			
Taipei City	State	ZIP	Taiwan, R.O.C.
City	State	ZIP	Country
NAME OF SECOND INVENTOR: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Chih-Ching (first and middle if any)		Family Name Chen	
Inventor's Signature <i>Chih-Ching Chen</i>		Date 2007/10/19	
Taipei City	State	Taiwan, R.O.C.	R.O.C.
Residence City	State	Country	Citizenship
Mailing Address 4F-S, No.145, Sec.2, Huan-Ho S. Rd.,			
Taipei City	State	ZIP	Taiwan, R.O.C.
City	State	ZIP	Country
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			

[Page 2 of 2]

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 870

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Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: WINSTON HSU
Electronic Signature Mark: VAEB-JMXX-8IIL
Date Signed: 20021104

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 25	1202	\$ 18	5	\$ 90
Independent Claims: 2	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 90

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40